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**INFORMATION DISCLOSURE  
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Sheet 1

of 19

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|                        |               |
|------------------------|---------------|
| Application Number     | 10/581,106    |
| Filing Date            | May 31, 2006  |
| First Named Inventor   | Judith A. Fox |
| Art Unit               | 1642          |
| Examiner Name          | Unassigned    |
| Attorney Docket Number | GC822-US      |

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (If known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|---|--------------------------------|--|---|
|                    | A1                    | US- 4,458,066   | 07/03/1984                     | Caruthers et al.                                   |   |
|                    | A2                    | US- 4,522,811   | 06/11/1985                     | Eppstein et al.                                    |   |
|                    | A3                    | US- 4,675,187   | 06/23/1987                     | Konishi et al.                                     |   |
|                    | A4                    | US- 4,711,845   | 12/08/1987                     | Gelfand et al.                                     |   |
|                    | A5                    | US- 4,975,278   | 12/04/1990                     | Senter et al.                                      |   |
|                    | A6                    | US- 5,711,944   | 01/27/1998                     | Gilbert et al.                                     |   |
|                    | A7                    | US- 5,766,883   | 06/16/1998                     | Ballance et al.                                    |   |
|                    | A8                    | US- 5,773,435   | 06/30/1998                     | Kadow et al.                                       |   |
|                    | A9                    | US- 5,843,440   | 12/01/1998                     | Pouletty et al.                                    |   |
|                    | A10                   | US- 60/388,387  | 12/24/2003                     | Schellenberger                                     |   |
|                    | A11                   | US- 2002/0142359  | 10/03/2002                     | Copley, et al.                                     |   |
|                    | A12                   | US- 10/170,729  | 03/13/2003                     | Edwards et al.                                     |   |
|                    | A13                   | US- 10/022,073  | 04/10/2003                     | Chen et al.  |   |
|                    | A14                   | US- 09/954,385  | 05/29/2003                     | Aehle et al.                                       |   |
|                    | A15                   | US- 10/170,387  | 06/05/2003                     | Murray   |   |
|                    | A16                   | US- 10/022,097  | 08/07/2003                     | Schellenberger                                     |   |
|                    | A17                   | US- 60/562,386  | 11/24/2005                     | Harding et al.                                     |   |
|                    | A18                   | US- 60/636,002  | 11/24/2005                     | Harding et al.                                     |   |
|                    | A19                   | US- 6,835,550   | 12/28/2004                     | Estel et al.                                       |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>2</sup> -Number-Kind Code <sup>3</sup> (If known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>4</sup> |
|--------------------|-----------------------|--|--------------------------------|--|---|----------------|
|                    | B1                    | EP 0 196 864 A2  | 10/08/1986                     | Cetus Corporation                                  |   |                |
|                    | B2                    | WO 00/24782 A2   | 05/04/2000                     | Amgen Inc.   |   |                |
|                    | B3                    | WO 03/105757 A2  | 12/24/2003                     | Genencor International                             |   |                |
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Sheet 2 of 9

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| Filing Date            | May 31, 2006  |
| First Named Inventor   | Judith A. Fox |
| Art Unit               | 1642          |
| Examiner Name          | Unassigned    |
| Attorney Docket Number | GC822-US      |

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Application Number 10/581,106

Filing Date May 31, 2006

First Named Inventor Judith A. Fox

Art Unit 1642

Examiner Name Unassigned

Sheet 3 of 9

Attorney Docket Number GC822-US

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    | C1                    | ALTSCHUL, S.F., et al. "Basic local alignment search tool." J. Mol. Biol., 215(3): 403-410, 1990.   |                |
|                    | C2                    | ALTSCHUL, S.F., et al. "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs." Nucleic Acids Res., 25(17): 3389-3402, 1997.   |                |
|                    | C3                    | **AUSUBEL, et al., eds., Current Protocols in Molecular Biology, Vol. 1, Green Publishing Associates, Inc., and John Wiley & Sons, Inc., New York, 1989.  |                |
|                    | C4                    | BAGSHAW, K.D., et al. "Developments with targeted enzymes in cancer therapy." Current Opinion in Immunology 11(5): 579-583, 1999.   |                |
|                    | C5                    | BEAUCAGE, S.L., et al., "Deoxynucleoside phosphoramidites—A new class of key intermediates for deoxypolynucleotide synthesis." Tetrahedron Lett., 22(20): 1859-1862, 1981.  |                |
|                    | C6                    | BENITO, A., et al. "Insertion of a 27 amino acid viral peptide in different zones of Escherichia coli $\beta$ galactosidase: ..." FEMS Microbiology Letters, 123(1-2): 107-112, 1994.   |                |
|                    | C7                    | BOEHM, M.K., et al. "Crystal structure of the anti-(carcinoembryonic antigen) single-chain Fv antibody ..." Biochemical Journal, 346: 519-528, 2000.  |                |
|                    | C8                    | BOLIVAR, F., et al. "Construction and characterization of new cloning vehicles. II. A multipurpose cloning system." Gene, 2(2): 95-113, 1977.   |                |
|                    | C9                    | BROACH, J.R. "Construction of high copy yeast vectors using 2- $\mu$ m circle sequences." Methods in Enzymology, 101: 307-325, 1983.  |                |
|                    | C10                   | BROWN, E.L., et al. "Chemical synthesis and cloning of a tyrosine tRNA gene." Methods in Enzymology, 68: 109-151, 1979.   |                |

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| Art Unit               | 1642          |
| Examiner Name          | Unassigned    |
| Attorney Docket Number | GC822-US      |

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|--------------------|-----------------------|---|----------------|
|                    | C11                   | CHANG, A., et al. "Phenotypic expression in E. coli of a DNA sequence coding for mouse dihydrofolate reductase." Nature, 275: 617-624, 1978.  |                |
|                    | C12                   | CHANG, M., et al. "The roles of indoleglycerol phosphate and the TrpI protein in the expression of trpBA from ..." Nucleic Acids Research, 18(4): 979-988, 1990.  |                |
|                    | C13                   | CHRISTOFIDOU-SOLOMIDOU, M., et al. "Immunotargeting of glucose oxidase to endothelium in vivo causes ...." Am J Physiol Lung Cell Mol Physiol, 278(4): L794-L805, 2000.   |                |
|                    | C14                   | CLARKE, L., et al. "Selection procedure for isolation of centromere DNAs from Saccharomyces cerevisiae." Methods in Enzymology, 101: 300-307, 1983.   |                |
|                    | C15                   | CLEWELL, D.B. "Nature of Col E1 Plasmid Replication in Escherichia coli in the Presence of Chloramphenicol." J. Bacteriol., 110(2): 667-676, 1972.  |                |
|                    | C16                   | CLEWELL, D.B., et al. "Supercoiled circular DNA-protein complex in Escherichia coli: purification and induced ..." Proc. Natl. Acad. Sci. USA, 62(4): 1159-1166, 1969.  |                |
|                    | C17                   | COHEN, S.N., et al. "Nonchromosomal antibiotic resistance in bacteria: genetic transformation of Escherichia ..." Proc. Natl. Acad. Sci. USA, 69(8): 2110-2114, 1972.   |                |
|                    | C18                   | **Cruz, et al., (eds), "Tissue Culture," Academic Press, 1973.  |                |
|                    | C19                   | DENNY, W.A. "Prodrug strategies in cancer therapy." Eur. J. of Med. Chem., 36 (7-8): 577-595, 2001.   |                |
|                    | C20                   | DEPICKER, A., et al. "Nopaline synthase: transcript mapping and DNA sequence." Journal of Molecular and Applied Genetics, 1(6): 561-573, 1982.  |                |

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|                    | C21                   | FIERS, W., et al. "Complete nucleotide sequence of SV40 DNA." Nature, 273(5658): 113-120, 1978.   |                |
|                    | C22                   | FRANCIS, R.J., et al. "A phase 1 trial of antibody directed enzyme prodrug therapy (ADEPT) in patients with advanced colorectal ..." Br. J. Cancer, 87(6): 600-607, 2002.   |                |
|                    | C23                   | FRANKEL, A., et al. "Lack of multicellular drug resistance observed in human ovarian and prostate carcinoma treated ..." Clinical Cancer Research 6(9): 3719-3728, 2000.  |                |
|                    | C24                   | GOEDEL, D.V., et al. "Direct expression in Eschericia coli of a DNA sequence coding for human growth hormone." Nature, 281: 544-548, 1979.  |                |
|                    | C25                   | GOEDEL, D.V., et al. "Synthesis of human fibroblast interferon by E. coli." Nucl. Acids Res., 8(18): 4057-4074, 1980.   |                |
|                    | C26                   | GOLD, P., et al. "Demonstration of Tumor-Specific Antigens in Human Colonic Carcinomata by Immunological Tolerance and ..." J Exp Med., 121(3): 439-462, 1965.  |                |
|                    | C27                   | GOODCHILD, J. "Conjugates of oligonucleotides and modified oligonucleotides: a review of their synthesis and properties." Bioconjug. Chem., 1(3): 165-87, 1990.   |                |
|                    | C28                   | GRAHAM, F.L., et al. "A new technique for the assay of infectivity of human adenovirus 5 DNA." Virology, 52(2): 456-467, 1973.  |                |
|                    | C29                   | HESS, B., et al. "Cooperation of glycolytic enzymes." Advances in Enzyme Regulation, 7: 149-167, 1968.  |                |
|                    | C30                   | HITZEMAN, R.A., et al. "Isolation and characterization of the yeast 3-phosphoglycerokinase gene (PGK) by an immunological ..." J. Biol. Chem., 255(24): 12073-12080, 1980.  |                |

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|                    | C31                   | HOLLAND, M.J., et al. "Isolation and identification of yeast messenger ribonucleic acids coding for enolase..." Biochemistry, 17(23): 4900-4907, 1978.  |                |
|                    | C32                   | HOLLAND, M.J., et al. "The primary structures of two yeast enolase genes. Homology between the 5' noncoding flanking regions ..." J. Biol. Chem., 256(3): 1385-1395, 1981.  |                |
|                    | C33                   | HSIAO, C.-L., et al. "High-frequency transformation of yeast by plasmids containing the cloned yeast ARG4 gene." Proc. Natl. Acad. Sci. USA, 76(8): 3829-3333, 1979.  |                |
|                    | C34                   | KERR, D.E., et al. "Development and activities of a new melphalan prodrug designed for tumor-selective activation." Bioconjugate Chemistry, 9(2): 255-259, 1998.  |                |
|                    | C35                   | MARGOLIN, A.L., et al. "Substrate specificity of penicillin amidase from E. coli." Biochim. Biophys. Acta., 616(2): 283-289, 1980.  |                |
|                    | C36                   | MAXAM, A.M., et al. "Sequencing end-labeled DNA with base-specific chemical cleavages." Methods in Enzymology, 65(1): 499-560, 1980.  |                |
|                    | C37                   | MCDONAGH, C.F., et al. "Improved Yield and Stability of L49-sFv-β-Lactamase, a Single-Chain Antibody Fusion Protein for ..." Bioconjugate Chemistry, 14(5): 860-869, 2003.  |                |
|                    | C38                   | **MELTON, et al., Enzyme-Prodrug Strategies for Cancer Therapy Kluwer Academic/Plenum Publishers, New York, 1999  |                |
|                    | C39                   | MESSING, J., et al. "A system for shotgun DNA sequencing." Nucl. Acids Res., 9(2): 309-321, January 24, 1981.   |                |
|                    | C40                   | MILLER, D.W., et al. "An Insect Baculovirus Host-Vector ..." In Genetic Engineering: Principles and Methods, Setlow et al. (eds.), 8: 277-298; New York: Plenum Press, 1986.  |                |

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|--------------------|-----------------------|---|----------------|
|                    | C41                   | NAPOLITANO, E.W., et al. "Glubodies: randomized libraries of glutathione transferase enzymes." Chemistry & Biology, 3(5): 359-367, 1996.  |                |
|                    | C42                   | NARANG, S.A., et al. "Improved phosphotriester method for the synthesis of gene fragments." Meth. Enzymol., 68: 90-98, 1979.  |                |
|                    | C43                   | NICULESCU-DUVAZ, I., et al. "Prodrugs for antibody- and gene-directed enzyme prodrug therapies (ADEPT and GDEPT)." Anti-Cancer Drug Design, 14(6): 517-538, 1999.   |                |
|                    | C44                   | **SAMBROOK, et al., (eds.), Molecular Cloning: A Laboratory Manual, Cold Spring Harbor Laboratory Press, 1989.  |                |
|                    | C45                   | SANGER, F., et al. "DNA Sequencing with Chain-Terminating Inhibitors." Proc. Natl. Acad. Sci. USA, 74(12): 5463-5467, 1977.   |                |
|                    | C46                   | SHAW, C.H., et al. "A general method for the transfer of cloned genes to plant cells." Gene, 23(3): 315-330, 1983.  |                |
|                    | C47                   | SHIMATAKE, H., et al. "Purified $\lambda$ regulatory protein cII positively activates promoters for lysogenic development." Nature ,292(5819): 128-132, 1981.   |                |
|                    | C48                   | SMITH, J.W., et al. "Protein Loop Grafting to Construct a Variant of Tissue-type Plasminogen Activator That Binds Platelet ..." J. Biol. Chem., 270(51): 30486-30490, 1995.   |                |
|                    | C49                   | STELLA, V.J., et al. "Prodrugs: A Chemical Approach to Targeted ..." In Directed Drug Delivery, Borchardt et al. (eds.), pp. 247-267. Clifton, NJ: Humana Press, 1985.  |                |
|                    | C50                   | STICKLER, M., et al. "Human population-based identification of CD4+ T-cell peptide epitope determinants." Journal of Immunological Methods, 281(1-2): 95-108, 2003.   |                |

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STATEMENT BY APPLICANT**

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|                        |               |
|------------------------|---------------|
| Application Number     | 10/581,106    |
| Filing Date            | May 31, 2006  |
| First Named Inventor   | Judith A. Fox |
| Art Unit               | 1642          |
| Examiner Name          | Unassigned    |
| Attorney Docket Number | GC822-US      |

Sheet 8 of 9

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    | C51                   | STINCHCOMB, D.T., et al. "Isolation and characterisation of a yeast chromosomal replicator." Nature, 282(5734): 39-43, 1979.  |                |
|                    | C52                   | THOMSON, K.S., et al. "Version 2000: the new $\beta$ -lactamases of Gram-negative bacteria at the dawn of the new millennium." Microbes and Infection, 2(10): 1225-1235, 2000.  |                |
|                    | C53                   | TORCHILIN, V.P. "Drug targeting." European Journal of Pharmaceutical Sciences, 11(Supplement 2): S81-S91, 2000.   |                |
|                    | C54                   | TROUET, A., et al. "A covalent linkage between daunorubicin and proteins that is stable in serum and reversible by lysosomal..." Proc. Natl. Acad. Sci. USA, 79(2): 1982.   |                |
|                    | C55                   | TSCHUMPER, G., et al. "Sequence of a yeast DNA fragment containing a chromosomal replicator and the TRP1 gene." Gene, 10(2): 157-166, 1980.   |                |
|                    | C56                   | UMEMOTO, N., et al. "Preparation and in vitro cytotoxicity of a methotrexate-anti-MM46 monoclonal antibody conjugate via an ..." Int J Cancer, 43(4): 677-684, 1989.  |                |
|                    | C57                   | VAN SOLINGEN, P., et al. "Fusion of yeast spheroplasts." J. Bacteriol., 130(2): 946-947, 1977.  |                |
|                    | C58                   | VAUGHN, D.E., et al. "Structural basis of pH-dependent antibody binding by the neonatal Fc receptor." Structure, 6(1): 63-73, 1998.   |                |
|                    | C59                   | WILMAN, D.E., "Prodrugs in cancer chemotherapy." Biochemical Society Transactions 14(2): 375-382, 1986.   |                |
|                    | C60                   | XU, G., et al. "Strategies for Enzyme/Prodrug Cancer Therapy." Clin. Cancer Res., 7(11): 3314-3324, 2001.   |                |

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| Examiner Signature | Date Considered |
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| First Named Inventor | Judith A. Fox |
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| Art Unit | 1642 |
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| Examiner Name | Unassigned |
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Sheet 9

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